

Richard Prabowo

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EDUCATION

National University of Singapore

Bachelor of Computing in Business AI Systems, Minor in Economics

Singapore

Aug 2024 – Present

- **Programme:** NUS Overseas College (Jakarta) | **Hackathons:** CatalystX '25, TikTok TechJam '25

Singapore Polytechnic

Diploma in Computer Engineering

Singapore

Apr 2020 – Mar 2023

- **Awards:** Director's Honour Roll (AY 21/22)
- **Certification:** Huawei Certified ICT Associate (AI) | **Hackathon:** DSTA BrainHack '21

EXPERIENCE

Horizon Labs

Software Engineer Intern

Singapore

Jul 2025 – Oct 2025

- Orchestrated high-throughput backend services using FastAPI, seamlessly integrating data pipelines from Microsoft Azure to power core application features
- Built responsive front-end components (React, TypeScript) for data visualization and platform management, supporting agile project execution

GoTrade (YC S19)

Data Analyst Intern

Jakarta, Indonesia

May 2025 – Aug 2025

- Interpreted a dataset of 500k+ transaction records to extract actionable intelligence, directly supporting strategic planning for a user base of 100k+ active users
- Compiled weekly insight reports identifying key churn risks, leading to a 10% improvement in targeted retention workflow efficiency
- Automated KPI dashboards using SQL and Python, eliminating manual data entry and saving 5 hours of managerial time per week

CHB Technology Pte Ltd

Systems Administrator Intern

Singapore

Feb 2022 – Aug 2022

- Initiated and led a team of engineers to execute server deployments across hybrid environments, establishing standard operating procedures for future migrations
- Administered Microsoft Azure tenants for 10+ enterprise clients, ensuring high availability and 99.9% uptime for critical virtual machines

PROJECTS

AuroraMart | *Django, Scikit-Learn, Tailwind CSS, Python, HTML, CSS, JavaScript*

Nov 2025

- Formulated a hybrid recommendation system using Scikit-Learn, processing 8+ demographic data points per user to personalize feeds across a catalog of 500+ SKUs
- Integrated a real-time notification layer with Django Channels, enabling instant order status tracking and live chat for concurrent users without polling overhead

CanOrNot | *Tech Lead, Flask, React, Docker*

Aug 2025

- Directed a team of 4 engineers to architect a regulatory RAG pipeline, delegating frontend and backend tasks to meet the 48-hour hackathon deadline
- Enforced development standards by containerizing the application and leading code reviews, ensuring a bug-free deployment for the final pitch

Olist Market Analysis | *Pandas, NumPy, Tableau, KeyBERT, Python*

Apr 2025

- Collaborated with a team to synthesize customer data using Pandas and NumPy to diagnose a 93.6% churn rate, utilizing KeyBERT to classify review sentiment and statistically correlate negative rating volume to logistics delays
- Visualized retention metrics across 26 states via interactive Tableau dashboards and formulated a “Geo-Smart” framework to optimize engagement during seasonal peaks

TECHNICAL SKILLS

- **Languages:** Python, Java, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** React, Node.js, Next.js, Django, Flask, Tailwind CSS
- **Data & Databases:** SQL, MongoDB, Pandas, NumPy, Matplotlib, Tableau, Metabase
- **DevOps & Tools:** AWS, Azure, Docker, Git, Jira, Figma, Vercel